



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

NORMAN C. FAWLEY

Application No.: 10/695,252

Filed: October 27, 2003

For: **METHOD AND APPARATUS FOR  
BENDING COMPOSITE REINFORCED  
PIPE**

Art Group: Unknown

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

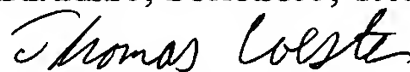
In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted within three (3) months of filing of the application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



Thomas M. Coester, Reg. No. 39,637

Date: January 13, 2004

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Susan M. Bartette

01-13-04

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/695,252
Filing Date	October 27, 2003
First Named Inventor	Norman C. Fawley
Art Unit	Unknown
Examiner Name	Not Yet Assigned
Attorney Docket Number	59910P003

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-31,960	07-30-1985	Phillips	
		US-4,559,974	12-24-1985	Fawley	
		US-5,287,987	02-22-1994	Gaiser	
		US-2003/0037885	02-27-2003	Hauber	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		CA2299644	08-25-2001	Ellyin, et al.		
		CA2181497	01-19-1998	Ellyin		

Examiner Signature	Date Considered
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket Number	59910P003

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## NON PATENT LITERATURE DOCUMENTS

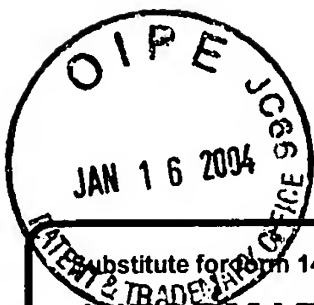
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		NORMAN C. FAWLEY, <i>Report of Severe Abuse Tests Conducted on Composite Reinforced Aluminum CNG (Compressed Natural Gas) Vehicle Fuel Cylinders</i> , SAE Technical Paper Series 831068, Pages 27-38, CNG Cylinder Corporation	
		<i>Basic Requirements for Fiber Reinforced Plastic (FRP) Type 3HW Composite Cylinders</i> , DOT article, January 15, 1982 (original) and January 4, 1987 (revision), Pages 1-20	
		N. C. HENDERSON, S. C. FORD, F. A. SIMONEN and R. D. WINEGARDNER, <i>Computer-Aided Stress Analysis, One-Cycle Burst Experiments, and Cyclic Fatigue Experiments on Fiberglass-Filament-Reinforced Aluminum Gas Cylinders for Use With the Swimmer Delivery Vehicle</i> , Summary Report, March 1975, Supdiv Report No. 2-75, BATTELLE Columbus Laboratories	
		C. J. KUHLMAN, S. ROY, K. PAGALTHIVARTHI and C. H. PARR, Southwest Research Institute - U.S.A., D. S. STEPHENS, R. B. FRANCINI and T. J. KILLINSKI, Battelle - U.S.A. and V. L. HILL, Gas Research Institute - U.S.A., <i>Repair of Damaged Gas Transmission Pipelines With Composite Material Reinforcements</i> , Article prepared for the 1992 International Gas Research Conference, Pages 610-619	
		<i>CRLP Axial Fracture Arrest Resistance and Criterion</i> , Excerpt from Composite Reinforced Linepipe (CRLP) Engineering Due Diligence Final Report by Engineering Mechanics Corporation of Columbus, October 2000, 6 pages	
		<i>CRLP Axial Through-Wall Fracture Initiation Resistance and Criterion</i> , Excerpt from Composite Reinforced Linepipe (CRLP) Engineering Due Diligence Final Report by Engineering Mechanics Corporation of Columbus, April 2000, 4 pages	
		<i>Composite Reinforced Pressure Vessels (CRPV) - SC Pressure Vessels (SC VIII)</i> , Presentation by TransCanada, May 17, 2001, Pages 9-14	

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		CRAIG RILEY, NORMAN FAWLEY and TREVOR MACFARLANE, <i>Composite Reinforced Pressure Vessel Laminate Layer - Discussion Paper and Rationale</i> , June 27, 2001, Article, Pages 1-17	
		TRANSCANADA, <i>Composite Reinforced Pressure Vessels (CRPV) - Special Working Group - High Pressure Vessels</i> , July 25, 2001, Presentation by TransCanada, Pages 18-24	
		<i>Appendix 2 - Supporting Documentation</i> , Responses to Comments, February 22, 2002, Pages iv-xi	
		<i>Appendix 4 - Consequence Discussion from Composite Reinforced Pressure Vessel Risk Assessment</i> , Responses to Comments, February 22, 2002, 3 pages	
		<i>Appendix 5 - Simple Analysis of the Residual Stresses in a FRP/Steel Pressure Vessel Caused by Thermal Expansion</i> , Responses to Comments, February 22, 2002, 4 pages	
		TRANSCANADA, <i>Gas Transport Module Inland Hopper Barge - Composite Reinforced Vessel Detail</i> , Drawing, January 8, 2001, Drawing No. A1-DWG-ME-001	

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